

MEMORANDUM

To: Michelle Josilo, Chief
USEPA, Region II, Point and Non-Point Source Control Section

From: Melisse Carasia Auriti, Supervising Environmental Specialist
NJDEP – Division of Water Quality
Bureau of Surface Water Permitting *Melisse* 7/12/11

Subject: Passaic Valley Sewerage Commission (PVSC)
85% Removal Waiver Request
NJPDES Permit No. NJ0021016
Category: A - Sanitary Wastewater
Newark City, Essex County

Please find attached a request from PVSC requesting a waiver of the 85% removal requirement in accordance with N.J.A.C. 7:14A-12.2(b)3 and (e)3. This limit of 85% is imposed as a minimum monthly average in it's existing NJPDES/DSW permit identified as NJ0021016. PVSC is requesting the Department remove the 85% removal requirement for both TSS and CBOD₅.

N.J.A.C. 7:14A-12.3(b) and (c) state the following in part:

- (b) For domestic treatment works receiving less concentrated influent wastewater from combined sewer systems during wet weather, the Department may remove, or impose a less stringent, BOD₅ or CBOD₅ and TSS percent removal requirement than specified in N.J.A.C. 7:14A-12.2(b)3, (c)3, or (e)3. For such treatment works, any attainable percentage removal level shall be defined on a case-by-case basis.
- (c) For domestic treatment works receiving less concentrated influent wastewater from combined sewer systems during dry weather, the Department shall remove, or impose a less stringent, BOD₅ or CBOD₅ and TSS percent removal requirement than specified in N.J.A.C. 7:14A-12.2(b)3, (c)3 or (e)3.....

The Department has conducted a review of the attached waiver request and evaluated PVSC's influent and effluent data and has preliminarily determined PVSC qualifies for coverage under N.J.A.C.7:14A-12.3(b) and (c). However, in as much as the Department has not previously granted such a waiver, we are requesting your office's concurrence with this action. If you concur with this analysis, the Department will move forward with a permit action to remove the percent removal limitations and replace them with monitoring only in the next renewal permit action.

If you have any questions concerning this memo, please contact me at (609) 292-4860 or Robert Hall of my staff at Robert.hall@dep.state.nj.us.

Attachments

cc: Manuel Nolau, Northern Water Compliance and Enforcement
Gautam Patel, Municipal Finance and Construction Element
Phil Habrukowich, Assistant Superintendent of Plant Operations, PVSC



Passaic Valley
Sewerage Commissioners

KENNETH J. LUCIANIN
Commissioner

THOMAS F. FLANAGAN
Acting Clerk

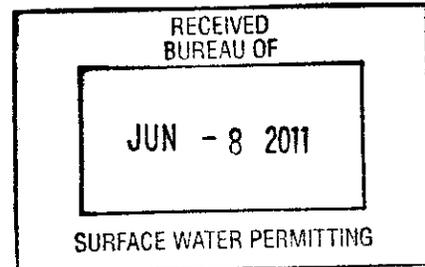
WAYNE J. FORREST
Executive Director

RALPH J. LAMPARELLO
General Counsel

600 Wilson Avenue,
Newark, New Jersey 07105
(973) 344-1800
(973) 344-2951•fax
www.pvsc.com

June 6, 2011

Ms. Pilar Patterson
Chief, Bureau of Surface Water Permitting
NJDEP
Mail Code 401-02B PO Box 420
401 East State Street
Trenton, New Jersey 08625-0420



Re: Passaic Valley Sewerage Commissioners
NJPDES permit NJ0021016
85% Removal Waiver Request

Dear Ms. Patterson:

In accordance with N.J.A.C. 7:14A-12.3(b) & (c), Passaic Valley Sewerage Commissioners (PVSC) is requesting that the Department remove the TSS and CBOD₅ percent removal requirement of 85% that is currently specified PVSC's NJPDES permit (NJ0021016). PVSC is requesting that the relief be granted year round.

PVSC is consistently meeting and will consistently meet its permit effluent concentration limits, but the 85% removal requirement is not consistently achievable due to less concentrated influent concentrations of TSS and CBOD₅. As required by N.J.A.C. 7:14A-12.3(f)3, PVSC's monthly average plant flow, monthly average influent TSS and CBOD₅ concentrations, monthly average effluent TSS and CBOD₅ concentrations, monthly average percent removals for TSS and CBOD₅ and the monthly total precipitation for the last twenty-eight (28) months are provided in Table 1. Daily data for this same time frame is included in Appendix A. The additional information required by N.J.A.C. 7:14A-12.3(f)3 is listed below.

Total population served by PVSC (2009 Estimate):	1,421,044
Total flow attributable to major industrial and commercial users:	12.21 MGD
Permit Exceedances:	81% Removal of TSS, Feb. 2011 84% Removal of CBOD ₅ , Feb. 2011 78% Removal of TSS, Mar. 2011

Number of combined sewer overflow points: 118 (Appendix B)

% of total collection system that is combined: 64.8% by Flow

Basis of determination:

Flow data from PVSC's May 2006 NJDEP approved Wastewater Management Plan and from the June 2001 NJDEP approved Hudson County Wastewater Management Plan were used to calculate the percent (%) by flow of the total collection system that is combined. The table below summarizes the data that was used for this determination.

Municipality	Annual Average Flow (MGD)
Bayonne	8.037
East Newark	0.601
Harrison	2.505
Jersey City	42.002
Kearny	8.226
Newark	82.433
Paterson	22.249
North Bergen Central	6.64
CSO Communities Total	172.693
PVSC Total	266.481
%CSO by Flow	64.80%

Twenty-three (23) of the last twenty-eight (28) months (Table 1) required that PVSC achieve a significantly more stringent TSS limitation, as defined in N.J.A.C. 7:14A-1.2, of 25 mg/L or less to comply with the 85% removal requirement. Nine (9) of the last twenty-eight (28) months required that PVSC achieve a significantly more stringent CBOD₅ limitation of 20 mg/L or less to comply with the 85% removal requirement.

PVSC's less concentrated influent wastewater does not result from excessive infiltration or clear water industrial discharges. PVSC's less concentrated influent wastewater is a result of the deindustrialization of Northern New Jersey combined with storm water and snow melt that enters the collection system due to the combined sewer systems (Figure 1 compares PVSC's 30 day rolling average plant influent flow rate to the percent removal achieved for TSS and CBOD₅). PVSC's NJPDES permit requires the maximization of wet weather flow, which requires that the plant accept the dilute storm water from the combined systems. Therefore, the storm water dilutes the influent concentrations of TSS and CBOD₅ requiring PVSC's treatment process to achieve significantly more stringent TSS and CBOD₅ concentrations to meet the 85% removal requirements.

PVSC's industrial loading has significantly decreased over the years. Figure 2 depicts the volume decrease by industry from approximately 15.1 Billion Gallons per Year in 1993 to 4.5 Billion Gallons per

Year in 2010. Figure 3 shows the dramatic decrease in the BOD and TSS loadings from the Industrial Users over the same time frame.

If you have any questions regarding this request, or require additional information, please contact me at (973) 817-5782.

Sincerely,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

A handwritten signature in black ink, appearing to read "Sheldon Lipke". The signature is written in a cursive style with a large initial "S".

Sheldon Lipke, P.E.

Chief Operating Officer & Superintendent of Plant Operations

- c: Wayne J. Forrest, Executive Director, PVSC
- Phil Habrukowich, Assistant Superintendent of Plant Operations
- Bridget McKenna, Manager of Process Control
- Michael Witt, Chasan, Leyner & Lamparello, PC, Counsel to PVSC

Table 1: Plant Data, January 2009 through April 2011

	Influent/Effluent Flow Monthly Avg MGD	Rainfall Monthly Total Inches	Influent TSS Monthly Avg mg/l	Effluent TSS Monthly Avg mg/l	TSS Removal Monthly Avg %	Influent CBOD ₅ Monthly Avg mg/l	Effluent CBOD ₅ Monthly Avg mg/l	CBOD ₅ Removal Monthly Avg %
Jan-09	241	3.27	143	16	89%	147	14	90%
Feb-09	221	0.56	172	17	90%	166	14	92%
Mar-09	210	1.51	175	18	90%	162	12	93%
Apr-09	234	6.11	176	14	92%	154	8	95%
May-09	242	5.61	170	12	93%	148	8	95%
Jun-09	278	10.71	140	13	91%	124	5	96%
Jul-09	244	9.75	167	15	91%	140	7	95%
Aug-09	248	6.73	152	12	92%	132	5	96%
Sep-09	217	2.17	170	10	94%	149	4	97%
Oct-09	229	6.84	161	16	90%	149	8	95%
Nov-09	215	1.43	162	13	92%	152	6	96%
Dec-09	261	8.47	142	13	91%	132	10	92%
Jan-10	236	1.93	147	19	87%	150	17	89%
Feb-10	251	4.83	146	17	88%	135	15	89%
Mar-10	336	12.08	119	16	87%	99	13	87%
Apr-10	275	3.93	139	15	89%	125	10	92%
May-10	236	4.31	152	14	91%	157	9	94%
Jun-10	213	2.49	166	18	89%	175	9	95%
Jul-10	205	3.66	167	16	90%	173	6	97%
Aug-10	204	3.32	168	17	90%	168	7	96%
Sep-10	203	5.04	165	18	89%	181	7	96%
Oct-10	225	5.72	139	13	91%	154	6	96%
Nov-10	204	2.20	153	12	92%	171	8	95%
Dec-10	217	4.64	138	10	93%	158	11	93%
Jan-11	227	2.35	146	16	89%	157	15	90%
Feb-11	274	4.39	132	25	81%	135	21	84%
Mar-11	315	7.64	116	25	78%	115	17	85%
Apr-11	295	7.37	141	19	86%	126	12	90%

Note: The values in red were permit exceedances.

Figure 2: Annual Volume of Industrial Discharge to the PVSC System

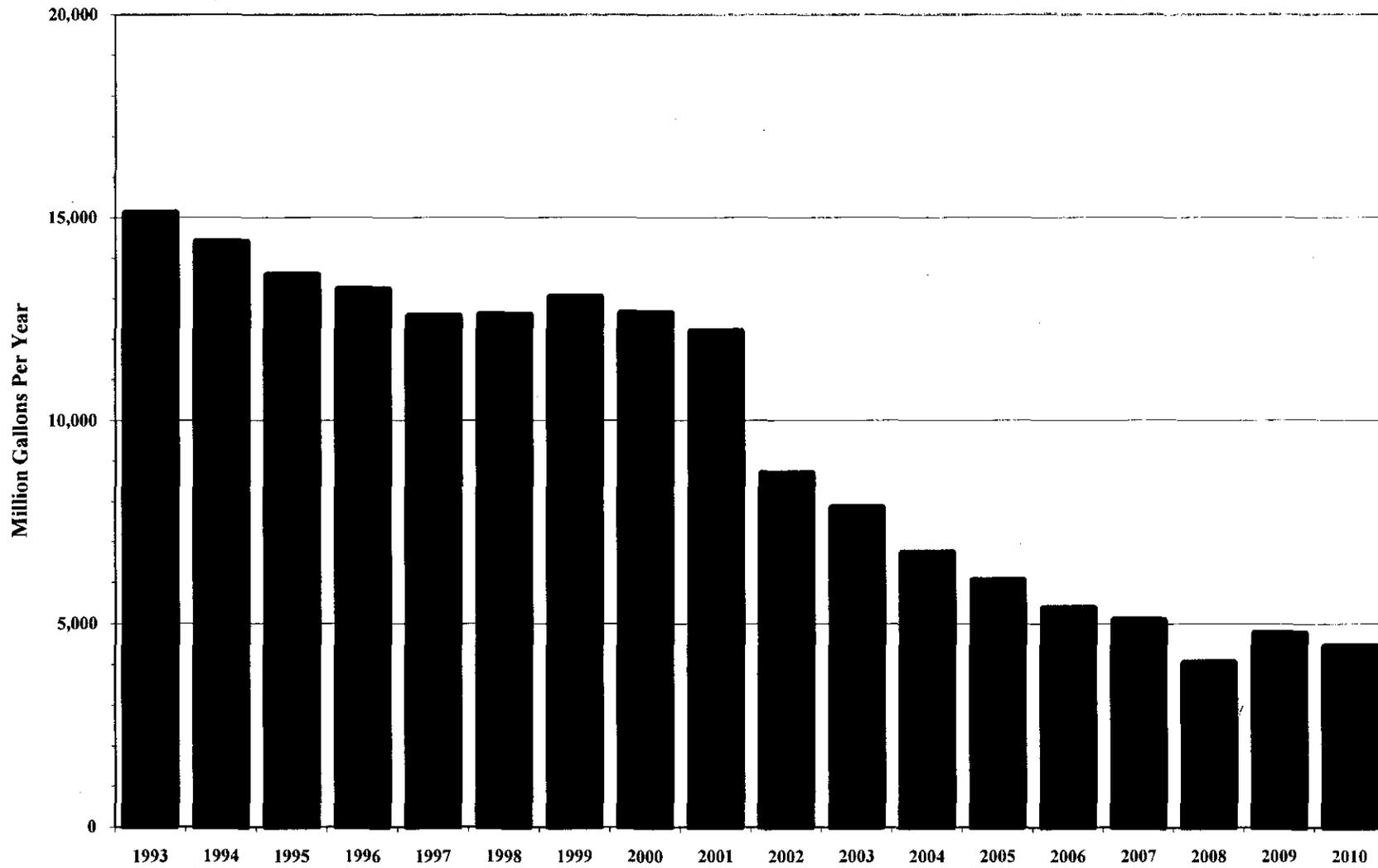
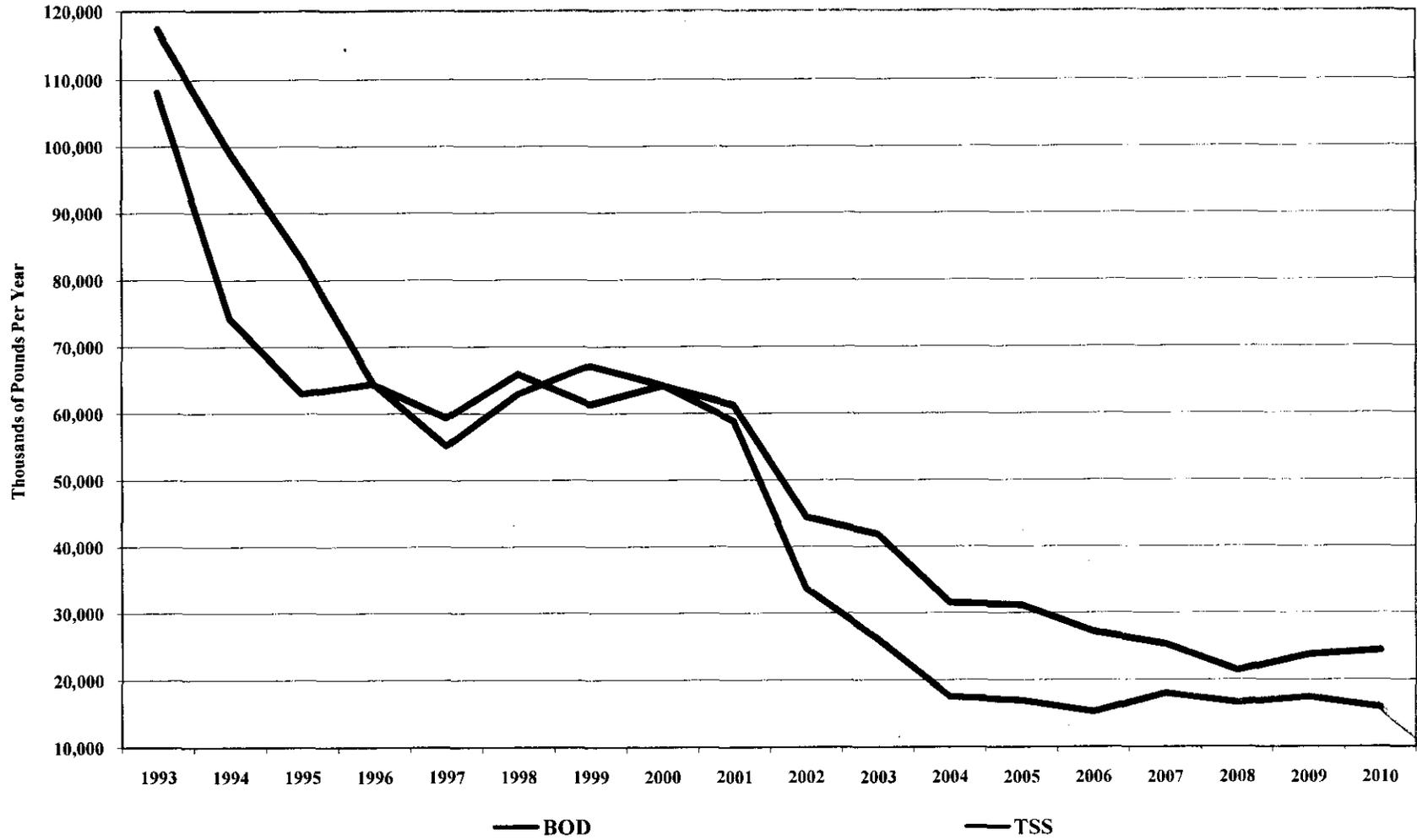


Figure 3: Annual Loadings from Industrial Discharges to the PVSC System



Appendix A

	Influent/Effluent Flow Daily Avg MGD	Precipitation Daily Total Inches	Influent TSS Daily Avg mg/l	Effluent TSS Daily Avg mg/l	TSS Removal Daily Avg %	Influent CBOD ₅ Daily Avg mg/l	Effluent CBOD ₅ Daily Avg mg/l	CBOD ₅ Removal Daily Avg %
1-Jan-09	230	0.00	115	12	89.6	95	6	93.7
2-Jan-09	234	0.00	174	10	94.3	103	6	94.2
3-Jan-09	232	0.00	160	10	93.8	165	10	93.9
4-Jan-09	229	0.00	128	12	90.6	178	12	93.3
5-Jan-09	228	0.00	182	14	92.3	162	13	92.0
6-Jan-09	226	0.13	173	14	91.9	208	16	92.3
7-Jan-09	338	1.48	165	18	89.1	131	17	87.0
8-Jan-09	260	0.00	143	16	88.8	184	15	91.8
9-Jan-09	240	0.00	151	11	92.7	142	12	91.5
10-Jan-09	236	0.00	175	21	88.0	220	8	96.4
11-Jan-09	267	0.21	117	19	83.8	146	20	86.3
12-Jan-09	236	0.01	160	17	89.4	153	10	93.5
13-Jan-09	233	0.00	161	18	88.8	161	15	90.7
14-Jan-09	231	0.00	167	17	89.8	155	15	90.3
15-Jan-09	233	0.00	151	17	88.7	131	13	90.1
16-Jan-09	231	0.00	169	14	91.7	136	13	90.4
17-Jan-09	231	0.00	153	18	88.2	127	15	88.2
18-Jan-09	236	0.09	117	16	86.3	125	13	89.6
19-Jan-09	245	0.11	131	19	85.5	141	15	89.4
20-Jan-09	237	0.00	143	17	88.1	148	16	89.2
21-Jan-09	232	0.00	127	15	88.2	142	16	88.7
22-Jan-09	230	0.00	128	17	86.7	160	21	86.9
23-Jan-09	233	0.00	125	17	86.4	171	20	88.3
24-Jan-09	235	0.00	141	16	88.7	170	8	95.3
25-Jan-09	231	0.00	129	18	86.0	131	14	89.3
26-Jan-09	226	0.00	153	19	87.6	143	12	91.6
27-Jan-09	224	0.00	159	15	90.6	151	15	90.1
28-Jan-09	289	1.25	58	18	69.0	43	18	58.1
29-Jan-09	268	0.00	99	16	83.8	115	12	89.6
30-Jan-09	235	0.00	141	13	90.8	176	14	92.0
31-Jan-09	231	0.00	149	14	90.6	138	11	92.0
1-Feb-09	233	0.00	137	19	86.1	109	11	89.9
2-Feb-09	229	0.00	176	18	89.8	145	11	92.4
3-Feb-09	243	0.05	181	18	90.1	151	13	91.4
4-Feb-09	234	0.00	139	19	86.3	155	18	88.4
5-Feb-09	223	0.00	181	17	90.6	180	13	92.8
6-Feb-09	221	0.00	148	18	87.8	165	13	92.1
7-Feb-09	223	0.00	148	15	89.9	158	13	91.8
8-Feb-09	229	0.00	132	16	87.9	113	14	87.6
9-Feb-09	222	0.00	177	16	91.0	173	10	94.2
10-Feb-09	221	0.00	221	19	91.4	201	14	93.0
11-Feb-09	222	0.03	217	22	89.9	241	17	92.9
12-Feb-09	238	0.09	206	25	87.9	154	28	81.8
13-Feb-09	218	0.09	180	14	92.2	207	11	94.7
14-Feb-09	218	0.09	188	18	90.4	164	15	90.9
15-Feb-09	213	0.09	118	15	87.3	129	14	89.1
16-Feb-09	216	0.09	164	17	89.6	150	10	93.3
17-Feb-09	215	0.09	160	14	91.3	148	9	93.9
18-Feb-09	238	0.22	187	16	91.4	180	12	93.3
19-Feb-09	236	0.22	195	16	91.8	156	12	92.3
20-Feb-09	212	0.00	155	13	91.6	192	14	92.7
21-Feb-09	210	0.00	153	14	90.8	195	17	91.3
22-Feb-09	217	0.09	134	16	88.1	146	12	91.8
23-Feb-09	210	0.00	157	14	91.1	186	16	91.4
24-Feb-09	206	0.00	171	16	90.6	146	15	89.7
25-Feb-09	206	0.00	177	17	90.4	166	13	92.2
26-Feb-09	203	0.00	237	18	92.4	200	14	93.0
27-Feb-09	212	0.06	215	13	94.0	171	13	92.4

	Influent/Effluent		Influent	Effluent	TSS Removal Daily Avg	Influent	Effluent	CBOD ₅ Removal Daily Avg
	Flow	Precipitation	TSS	TSS		CBOD ₅	CBOD ₅	
	Daily Avg MGD	Daily Total Inches	Daily Avg mg/l	Daily Avg mg/l		Daily Avg mg/l	Daily Avg mg/l	
28-Feb-09	210	0.00	161	13	91.9	198	12	93.9
1-Mar-09	207	0.00	135	16	88.1	120	8	93.3
2-Mar-09	212	0.00	117	12	89.7	146	10	93.2
3-Mar-09	211	0.00	206	12	94.2	151	10	93.4
4-Mar-09	208	0.00	166	15	91.0	137	11	92.0
5-Mar-09	210	0.00	161	16	90.1	149	11	92.6
6-Mar-09	210	0.00	213	17	92.0	237	17	92.8
7-Mar-09	208	0.00	161	18	88.8	192	16	91.7
8-Mar-09	206	0.00	146	20	86.3	128	13	89.8
9-Mar-09	226	0.15	233	22	90.6	186	14	92.5
10-Mar-09	206	0.00	170	21	87.6	163	14	91.4
11-Mar-09	204	0.01	183	21	88.5	197	15	92.4
12-Mar-09	203	0.00	175	23	86.9	216	17	92.1
13-Mar-09	202	0.00	163	20	87.7	188	16	91.5
14-Mar-09	203	0.00	150	22	85.3	171	15	91.2
15-Mar-09	201	0.00	137	19	86.1	118	12	89.8
16-Mar-09	202	0.00	169	17	89.9	173	12	93.1
17-Mar-09	202	0.00	183	17	90.7	178	11	93.8
18-Mar-09	200	0.00	172	16	90.7	171	12	93.0
19-Mar-09	216	0.15	209	15	92.8	162	11	93.2
20-Mar-09	204	0.01	142	14	90.1	136	10	92.6
21-Mar-09	201	0.00	151	14	90.7	163	11	93.3
22-Mar-09	200	0.00	137	15	89.1	118	11	90.7
23-Mar-09	200	0.00	163	15	90.8	163	9	94.5
24-Mar-09	201	0.00	200	19	90.5	173	11	93.6
25-Mar-09	200	0.00	197	20	89.8	186	10	94.6
26-Mar-09	223	0.54	246	21	91.5	164	13	92.1
27-Mar-09	226	0.01	223	22	90.1	163	13	92.0
28-Mar-09	211	0.08	193	17	91.2	138	11	92.0
29-Mar-09	261	0.54	142	15	89.4	78	7	91.0
30-Mar-09	235	0.02	190	16	91.6	147	11	92.5
31-Mar-09	206	0.00	189	17	91.0	181	11	93.9
1-Apr-09	230	0.46	185	20	89.2	145	10	93.1
2-Apr-09	245	0.00	188	18	90.4	161	11	93.2
3-Apr-09	281	0.86	345	15	95.7	160	18	88.8
4-Apr-09	237	0.00	161	18	88.8	167	10	94.0
5-Apr-09	219	0.00	118	14	88.1	134	11	91.8
6-Apr-09	276	0.78	188	22	88.3	156	12	92.3
7-Apr-09	236	0.00	177	13	92.7	170	8	95.3
8-Apr-09	219	0.00	169	11	93.5	170	7	95.9
9-Apr-09	215	0.00	167	11	93.4	166	6	96.4
10-Apr-09	211	0.00	184	12	93.5	163	6	96.3
11-Apr-09	254	0.64	195	16	91.8	152	9	94.1
12-Apr-09	216	0.00	147	12	91.8	107	10	90.7
13-Apr-09	210	0.00	201	11	94.5	152	7	95.4
14-Apr-09	230	0.33	159	13	91.8	165	6	96.4
15-Apr-09	256	0.47	179	12	93.3	145	6	95.9
16-Apr-09	217	0.00	156	9	94.2	152	5	96.7
17-Apr-09	212	0.00	161	13	91.9	207	8	96.1
18-Apr-09	211	0.00	148	13	91.2	134	6	95.5
19-Apr-09	209	0.00	173	10	94.2	121	6	95.0
20-Apr-09	264	2.75	199	17	91.5	151	8	94.7
21-Apr-09	326	0.12	188	28	85.1	130	11	91.5
22-Apr-09	272	0.04	187	12	93.6	145	7	95.2
23-Apr-09	240	0.04	145	12	91.7	159	6	96.2
24-Apr-09	230	0.00	149	12	91.9	172	7	95.9
25-Apr-09	224	0.00	140	16	88.6	153	7	95.4
26-Apr-09	221	0.00	128	16	87.5	104	6	94.2
27-Apr-09	221	0.00	174	14	92.0	154	6	96.1

	Influent/Effluent Flow	Precipitation	Influent TSS	Effluent TSS	TSS Removal	Influent CBOD ₅	Effluent CBOD ₅	CBOD ₅ Removal
	Daily Avg	Daily Total	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg
	MGD	Inches	mg/l	mg/l	%	mg/l	mg/l	%
28-Apr-09	223	0.00	173	14	91.9	163	6	96.3
29-Apr-09	216	0.00	201	11	94.5	191	7	96.3
30-Apr-09	214	0.00	202	11	94.6	161	8	95.0
1-May-09	237	0.56	243	14	94.2	175	9	94.9
2-May-09	236	0.09	189	15	92.1	145	8	94.5
3-May-09	253	0.61	164	11	93.3	102	7	93.1
4-May-09	287	0.54	142	9	93.7	122	6	95.1
5-May-09	276	0.36	157	9	94.3	138	7	94.9
6-May-09	298	0.66	165	11	93.3	123	7	94.3
7-May-09	372	1.47	180	13	92.8	118	11	90.7
8-May-09	289	0.00	130	8	93.8	108	10	90.7
9-May-09	302	0.57	116	13	88.8	102	9	91.2
10-May-09	260	0.00	99	12	87.9	97	7	92.8
11-May-09	246	0.00	154	8	94.8	132	8	93.9
12-May-09	240	0.00	164	11	93.3	156	7	95.5
13-May-09	235	0.00	188	13	93.1	161	6	96.3
14-May-09	232	0.00	167	11	93.4	173	7	96.0
15-May-09	230	0.00	215	15	93.0	165	8	95.2
16-May-09	228	0.17	163	14	91.4	208	10	95.2
17-May-09	255	0.15	144	10	93.1	112	9	92.0
18-May-09	221	0.00	161	12	92.5	165	9	94.5
19-May-09	218	0.00	149	14	90.6	161	11	93.2
20-May-09	217	0.00	180	10	94.4	161	9	94.4
21-May-09	215	0.00	224	13	94.2	171	8	95.3
22-May-09	215	0.00	175	15	91.4	167	10	94.0
23-May-09	211	0.00	257	15	94.2	160	10	93.8
24-May-09	205	0.00	134	11	91.8	119	8	93.3
25-May-09	206	0.00	130	9	93.1	112	5	95.5
26-May-09	209	0.00	192	10	94.8	152	4	97.4
27-May-09	214	0.00	215	11	94.9	244	4	98.4
28-May-09	215	0.10	181	10	94.5	180	4	97.8
29-May-09	263	0.39	220	12	94.5	193	6	96.9
30-May-09	220	0.00	144	10	93.1	150	5	96.7
31-May-09	208	0.00	122	11	91.0	108	4	96.3
1-Jun-09	204	0.00	163	10	93.9	169	4	97.6
2-Jun-09	214	0.25	193	10	94.8	161	4	97.5
3-Jun-09	241	0.44	193	11	94.3	159	3	98.1
4-Jun-09	312	0.92	144	23	84.0	122	7	94.3
5-Jun-09	297	1.06	137	24	82.5	104	6	94.2
6-Jun-09	261	0.01	118	11	90.7	101	3	97.0
7-Jun-09	228	0.00	80	9	88.8	89	3	96.6
8-Jun-09	223	0.00	157	11	93.0	136	4	97.1
9-Jun-09	328	1.72	223	15	93.3	143	7	95.1
10-Jun-09	247	0.01	151	11	92.7	143	4	97.2
11-Jun-09	278	0.22	175	13	92.6	161	5	96.9
12-Jun-09	315	0.69	186	16	91.4	123	5	95.9
13-Jun-09	271	0.08	141	14	90.1	122	5	95.9
14-Jun-09	264	0.08	111	10	91.0	85	4	95.3
15-Jun-09	308	0.67	66	10	84.8	112	5	95.5
16-Jun-09	272	0.01	70	9	87.1	142	5	96.5
17-Jun-09	253	0.00	139	13	90.6	143	6	95.8
18-Jun-09	400	2.01	115	26	77.4	94	13	86.2
19-Jun-09	339	0.01	127	11	91.3	112	4	96.4
20-Jun-09	315	0.33	120	12	90.0	97	3	96.9
21-Jun-09	343	0.66	93	13	86.0	67	6	91.0
22-Jun-09	309	0.00	124	13	89.5	94	6	93.6
23-Jun-09	276	0.00	126	9	92.9	122	6	95.1
24-Jun-09	297	0.43	179	12	93.3	137	7	94.9
25-Jun-09	268	0.00	143	12	91.6	159	7	95.6

	Influent/Effluent Flow	Precipitation	Influent TSS	Effluent TSS	TSS Removal	Influent CBOD ₅	Effluent CBOD ₅	CBOD ₅ Removal
	Daily Avg	Daily Total	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg
	MGD	Inches	mg/l	mg/l	%	mg/l	mg/l	%
26-Jun-09	270	0.15	152	12	92.1	114	6	94.7
27-Jun-09	256	0.00	143	11	92.3	137	5	96.4
28-Jun-09	246	0.00	69	10	85.5	88	6	93.2
29-Jun-09	244	0.00	157	12	92.4	136	6	95.6
30-Jun-09	276	0.97	210	17	91.9	154	9	94.2
1-Jul-09	261	0.00	163	14	91.4	138	8	94.2
2-Jul-09	310	1.59	155	17	89.0	103	7	93.2
3-Jul-09	271	0.03	185	14	92.4	135	5	96.3
4-Jul-09	239	0.00	96	13	86.5	104	6	94.2
5-Jul-09	230	0.00	115	11	90.4	61	6	90.2
6-Jul-09	236	0.00	141	13	90.8	124	7	94.4
7-Jul-09	234	0.08	139	13	90.6	144	6	95.8
8-Jul-09	235	0.00	172	20	88.4	172	8	95.3
9-Jul-09	225	0.00	188	14	92.6	154	7	95.5
10-Jul-09	220	0.00	133	13	90.2	169	8	95.3
11-Jul-09	217	0.15	244	19	92.2	137	9	93.4
12-Jul-09	258	0.20	179	14	92.2	108	7	93.5
13-Jul-09	220	0.00	199	13	93.5	145	6	95.9
14-Jul-09	218	0.00	182	14	92.3	177	6	96.6
15-Jul-09	215	0.00	164	14	91.5	159	7	95.6
16-Jul-09	215	0.00	185	15	91.9	171	8	95.3
17-Jul-09	219	0.10	179	16	91.1	159	7	95.6
18-Jul-09	222	0.02	207	17	91.8	154	8	94.8
19-Jul-09	205	0.00	122	15	87.7	98	6	93.9
20-Jul-09	209	0.00	178	17	90.4	162	7	95.7
21-Jul-09	299	1.44	215	27	87.4	167	11	93.4
22-Jul-09	233	0.00	155	14	91.0	166	7	95.8
23-Jul-09	241	0.25	162	17	89.5	153	8	94.8
24-Jul-09	231	0.01	188	14	92.6	143	5	96.5
25-Jul-09	221	0.02	150	16	89.3	142	6	95.8
26-Jul-09	269	1.54	122	17	86.1	85	7	91.8
27-Jul-09	293	0.15	143	12	91.6	120	5	95.8
28-Jul-09	234	0.00	197	12	93.9	184	6	96.7
29-Jul-09	302	3.33	205	18	91.2	150	7	95.3
30-Jul-09	292	0.00	160	12	92.5	146	6	95.9
31-Jul-09	296	0.85	157	12	92.4	108	5	95.4
1-Aug-09	270	0.00	87	12	86.2	122	8	93.4
2-Aug-09	330	1.70	109	11	89.9	69	4	94.2
3-Aug-09	289	0.00	94	8	91.5	87	4	95.4
4-Aug-09	264	0.00	116	9	92.2	125	4	96.8
5-Aug-09	255	0.00	155	8	94.8	155	5	96.8
6-Aug-09	244	0.00	223	10	95.5	165	4	97.6
7-Aug-09	244	0.00	181	10	94.5	148	3	98.0
8-Aug-09	230	0.00	104	12	88.5	167	5	97.0
9-Aug-09	225	0.01	110	8	92.7	98	4	95.9
10-Aug-09	275	0.41	182	11	94.0	126	4	96.8
11-Aug-09	236	0.00	147	7	95.2	131	3	97.7
12-Aug-09	241	0.04	227	12	94.7	169	5	97.0
13-Aug-09	231	0.08	185	16	91.4	148	6	95.9
14-Aug-09	221	0.00	168	11	93.5	148	5	96.6
15-Aug-09	225	0.00	171	14	91.8	155	6	96.1
16-Aug-09	221	0.00	116	10	91.4	98	5	94.9
17-Aug-09	221	0.00	196	9	95.4	130	4	96.9
18-Aug-09	229	1.13	179	12	93.3	166	6	96.4
19-Aug-09	234	0.00	181	16	91.2	169	7	95.9
20-Aug-09	224	0.00	180	18	90.0	132	5	96.2
21-Aug-09	252	0.20	206	22	89.3	178	6	96.6
22-Aug-09	305	0.82	170	22	87.1	111	7	93.7
23-Aug-09	249	0.10	94	11	88.3	66	2	97.0

	Influent/Effluent Flow		Precipitation		Influent TSS		Effluent TSS		TSS Removal		Influent CBOD ₅		Effluent CBOD ₅		CBOD ₅ Removal	
	Daily Avg	MGD	Daily Total	Inches	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg	%	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg	%
24-Aug-09	233	233	0.01	123	123	8	93.5	101	3	97.0	185	3	98.4			
25-Aug-09	226	226	0.00	164	164	9	94.5	185	4	98.4	144	4	97.2			
26-Aug-09	220	220	0.00	173	173	9	94.8	162	5	96.9	129	5	96.1			
27-Aug-09	219	219	0.00	132	132	13	90.2	91	5	94.5	84	3	96.4			
28-Aug-09	277	277	1.02	168	168	14	91.7	129	5	94.5	131	3	97.7			
29-Aug-09	317	317	1.21	129	129	19	85.3	91	5	94.5	132	3	97.7			
30-Aug-09	254	254	0.00	106	106	10	90.6	84	3	96.4	149	5	96.6			
31-Aug-09	228	228	0.00	129	129	7	94.6	131	3	97.7	161	4	97.5			
1-Sep-09	225	225	0.00	151	151	15	90.1	149	5	96.6	183	3	98.4			
2-Sep-09	221	221	0.00	163	163	16	90.2	134	3	98.5	134	3	97.6			
3-Sep-09	220	220	0.00	172	172	14	91.9	97	2	98.1	136	2	98.5			
4-Sep-09	218	218	0.00	200	200	10	95.0	105	2	98.1	137	3	98.0			
5-Sep-09	213	213	0.00	134	134	7	94.8	97	2	98.5	139	4	97.1			
6-Sep-09	205	205	0.00	150	150	10	93.3	136	2	98.5	166	3	97.0			
7-Sep-09	208	208	0.00	135	135	6	95.6	105	2	98.1	129	3	97.6			
8-Sep-09	212	212	0.00	155	155	5	96.8	136	2	98.5	141	3	97.9			
9-Sep-09	212	212	0.00	213	213	6	96.7	203	2	99.0	151	3	98.0			
10-Sep-09	210	210	0.00	193	193	6	96.9	173	3	98.3	152	3	96.7			
11-Sep-09	279	279	0.56	197	197	13	93.4	152	5	96.7	150	4	97.3			
12-Sep-09	262	262	0.20	159	159	9	94.3	150	4	97.3	111	3	97.3			
13-Sep-09	220	220	0.00	128	128	11	91.4	111	3	97.3	164	4	97.6			
14-Sep-09	214	214	0.00	185	185	9	95.1	164	4	97.6	177	5	97.2			
15-Sep-09	214	214	0.00	185	185	9	95.1	177	5	97.2	181	8	95.6			
16-Sep-09	211	211	0.00	173	173	16	90.8	181	8	95.6	173	3	97.1			
17-Sep-09	212	212	0.02	171	171	15	91.2	173	3	97.1	190	8	95.8			
18-Sep-09	209	209	0.00	185	185	22	88.1	190	8	97.1	170	5	97.1			
19-Sep-09	205	205	0.00	160	160	16	90.0	170	5	97.1	130	3	97.7			
20-Sep-09	202	202	0.00	145	145	9	93.8	130	3	97.7	139	4	97.1			
21-Sep-09	202	202	0.00	203	203	11	94.6	139	4	97.1	166	5	97.0			
22-Sep-09	202	202	0.00	189	189	14	92.6	166	5	97.0	129	3	97.6			
23-Sep-09	200	200	0.00	170	170	6	96.5	129	3	97.6	151	3	98.0			
24-Sep-09	202	202	0.04	183	183	9	95.1	151	3	98.0	141	3	97.9			
25-Sep-09	192	192	0.00	173	173	9	94.8	141	3	97.9	149	4	97.3			
26-Sep-09	192	192	0.10	182	182	8	95.6	149	4	97.3	86	3	96.5			
27-Sep-09	316	316	1.09	162	162	8	95.1	86	3	96.5	135	4	97.0			
28-Sep-09	227	227	0.17	125	125	6	95.2	135	4	97.0	146	5	96.6			
29-Sep-09	210	210	0.00	153	153	8	94.8	146	5	96.6	167	5	97.0			
30-Sep-09	198	198	0.00	197	197	8	95.9	167	5	97.0	187	7	96.3			
1-Oct-09	201	201	0.00	171	171	15	91.2	187	7	96.3	192	6	96.2			
2-Oct-09	195	195	0.04	164	164	11	93.3	192	6	96.2	120	4	96.7			
3-Oct-09	222	222	0.12	178	178	12	93.3	156	6	96.2	139	4	97.1			
4-Oct-09	203	203	0.00	121	121	13	89.3	120	4	96.7	165	4	97.6			
5-Oct-09	199	199	0.00	160	160	10	93.8	139	4	97.6	148	5	96.6			
6-Oct-09	199	199	0.00	163	163	12	92.6	165	4	97.6	157	6	96.2			
7-Oct-09	217	217	0.06	169	169	14	91.7	148	5	96.6	183	8	95.6			
8-Oct-09	197	197	0.00	170	170	12	92.9	163	5	96.9	157	6	96.2			
9-Oct-09	194	194	0.00	195	195	18	90.8	183	8	95.6	129	6	95.3			
10-Oct-09	202	202	0.01	170	170	15	91.2	157	6	96.2	177	9	94.9			
11-Oct-09	193	193	0.00	127	127	16	87.4	129	6	95.3	188	12	93.6			
12-Oct-09	197	197	0.00	155	155	17	89.0	137	7	94.9	184	13	92.9			
13-Oct-09	194	194	0.00	205	205	25	87.8	177	9	94.9	135	8	94.1			
14-Oct-09	193	193	0.00	191	191	19	90.1	188	12	93.6	148	5	96.6			
15-Oct-09	257	257	0.77	194	194	24	87.6	184	13	92.9	153	7	94.5			
16-Oct-09	237	237	0.06	133	133	12	91.0	135	8	94.1	128	7	94.5			
17-Oct-09	217	217	0.07	188	188	19	89.9	153	7	94.5	187	9	95.2			
18-Oct-09	260	260	0.30	116	116	18	84.5	94	8	91.5	180	9	95.0			
19-Oct-09	205	205	0.00	168	168	16	90.5	128	7	94.5						
20-Oct-09	201	201	0.00	167	167	17	89.8	187	9	95.2						
21-Oct-09	198	198	0.00	155	155	22	85.8	180	9	95.0						

	Influent/Effluent		Influent	Effluent	TSS Removal Daily Avg	Influent	Effluent	CBOD ₅ Removal Daily Avg
	Flow	Precipitation	TSS	TSS		CBOD ₅	CBOD ₅	
	Daily Avg MGD	Daily Total Inches	Daily Avg mg/l	Daily Avg mg/l		Daily Avg mg/l	Daily Avg mg/l	
22-Oct-09	198	0.00	202	16	92.1	207	9	95.7
23-Oct-09	202	0.23	180	18	90.0	182	8	95.6
24-Oct-09	361	2.65	93	25	73.1	83	10	88.0
25-Oct-09	290	0.00	161	10	93.8	69	7	89.9
26-Oct-09	226	0.00	155	14	91.0	128	7	94.5
27-Oct-09	277	0.83	160	17	89.4	135	10	92.6
28-Oct-09	402	1.52	112	24	78.6	90	11	87.8
29-Oct-09	276	0.00	113	9	92.0	120	8	93.3
30-Oct-09	245	0.00	172	16	90.7	140	9	93.6
31-Oct-09	253	0.18	184	20	89.1	162	7	95.7
1-Nov-09	240	0.02	144	10	93.1	122	6	95.1
2-Nov-09	228	0.00	107	8	92.5	126	6	95.2
3-Nov-09	225	0.00	171	11	93.6	166	6	96.4
4-Nov-09	215	0.00	176	12	93.2	157	6	96.2
5-Nov-09	216	0.00	176	11	93.8	179	5	97.2
6-Nov-09	215	0.00	193	9	95.3	147	5	96.6
7-Nov-09	213	0.00	153	14	90.8	139	4	97.1
8-Nov-09	208	0.00	142	8	94.4	91	4	95.6
9-Nov-09	208	0.00	154	13	91.6	143	5	96.5
10-Nov-09	205	0.00	171	17	90.1	177	6	96.6
11-Nov-09	204	0.00	193	12	93.8	199	7	96.5
12-Nov-09	210	0.05	187	17	90.9	222	8	96.4
13-Nov-09	218	0.09	157	18	88.5	173	8	95.4
14-Nov-09	282	0.12	194	21	89.2	127	7	94.5
15-Nov-09	217	0.01	108	8	92.6	88	4	95.5
16-Nov-09	205	0.00	194	9	95.4	143	3	97.9
17-Nov-09	205	0.00	172	12	93.0	159	5	96.9
18-Nov-09	202	0.00	195	12	93.8	214	5	97.7
19-Nov-09	210	0.21	194	13	93.3	171	5	97.1
20-Nov-09	291	0.58	227	18	92.1	148	8	94.6
21-Nov-09	212	0.00	144	14	90.3	152	6	96.1
22-Nov-09	204	0.00	107	14	86.9	106	5	95.3
23-Nov-09	203	0.00	153	12	92.2	129	4	96.9
24-Nov-09	204	0.00	171	13	92.4	158	6	96.2
25-Nov-09	206	0.05	158	15	90.5	179	7	96.1
26-Nov-09	204	0.00	149	15	89.9	135	8	94.1
27-Nov-09	190	0.00	145	12	91.7	163	5	96.9
28-Nov-09	192	0.00	147	16	89.1	143	7	95.1
29-Nov-09	192	0.00	137	10	92.7	142	6	95.8
30-Nov-09	230	0.30	140	8	94.3	166	8	95.2
1-Dec-09	202	0.00	178	11	93.8	173	5	97.1
2-Dec-09	212	0.60	182	10	94.5	177	7	96.0
3-Dec-09	312	0.44	157	15	90.4	125	10	92.0
4-Dec-09	214	0.00	139	11	92.1	169	8	95.3
5-Dec-09	258	0.52	139	11	92.1	137	10	92.7
6-Dec-09	250	0.00	103	13	87.4	100	10	90.0
7-Dec-09	218	0.00	145	10	93.1	129	7	94.6
8-Dec-09	218	0.00	159	11	93.1	159	8	95.0
9-Dec-09	418	2.59	144	31	78.5	102	20	80.4
10-Dec-09	294	0.00	125	14	88.8	109	8	92.7
11-Dec-09	253	0.00	136	9	93.4	132	9	93.2
12-Dec-09	240	0.00	125	11	91.2	155	9	94.2
13-Dec-09	308	1.04	132	15	88.6	104	12	88.5
14-Dec-09	282	0.00	155	10	93.5	125	8	93.6
15-Dec-09	254	0.00	98	13	86.7	106	10	90.6
16-Dec-09	241	0.00	144	10	93.1	128	7	94.5
17-Dec-09	236	0.00	151	9	94.0	159	7	95.6
18-Dec-09	230	0.00	182	8	95.6	184	9	95.1
19-Dec-09	231	0.00	147	9	93.9	168	8	95.2

	Influent/Effluent		Influent	Effluent	TSS Removal Daily Avg %	Influent	Effluent	CBOD ₅ Removal Daily Avg %
	Flow	Precipitation	TSS	TSS		CBOD ₅	CBOD ₅	
	Daily Avg MGD	Daily Total Inches	Daily Avg mg/l	Daily Avg mg/l		Daily Avg mg/l	Daily Avg mg/l	
20-Dec-09	233	0.00	137	15	89.1	128	10	92.2
21-Dec-09	231	0.00	172	14	91.9	129	8	93.8
22-Dec-09	225	0.00	163	11	93.3	164	8	95.1
23-Dec-09	221	0.00	99	12	87.9	138	9	93.5
24-Dec-09	222	0.00	144	11	92.4	162	10	93.8
25-Dec-09	228	0.34	145	14	90.3	102	10	90.2
26-Dec-09	365	1.51	238	20	91.6	122	15	87.7
27-Dec-09	395	0.35	84	23	72.6	57	17	70.2
28-Dec-09	303	0.00	88	11	87.5	85	12	85.9
29-Dec-09	275	0.00	100	11	89.0	114	12	89.5
30-Dec-09	264	0.00	113	16	85.8	136	15	89.0
31-Dec-09	270	0.26	168	19	88.7	105	15	85.7
1-Jan-10	266	0.02	97	16	83.5	82	11	86.6
2-Jan-10	247	0.00	131	22	83.2	126	16	87.3
3-Jan-10	239	0.00	95	17	82.1	129	16	87.6
4-Jan-10	239	0.00	120	16	86.7	125	13	89.6
5-Jan-10	236	0.00	169	19	88.8	159	15	90.6
6-Jan-10	234	0.00	163	18	89.0	163	15	90.8
7-Jan-10	229	0.00	140	18	87.1	154	18	88.3
8-Jan-10	227	0.01	150	21	86.0	185	19	89.7
9-Jan-10	228	0.00	119	29	75.6	183	21	88.5
10-Jan-10	227	0.00	101	32	68.3	122	26	78.7
11-Jan-10	223	0.00	127	28	78.0	134	25	81.3
12-Jan-10	225	0.00	167	20	88.0	181	20	89.0
13-Jan-10	221	0.00	160	15	90.6	163	17	89.6
14-Jan-10	219	0.00	159	19	88.1	170	16	90.6
15-Jan-10	216	0.00	199	15	92.5	191	14	92.7
16-Jan-10	217	0.00	153	24	84.3	149	19	87.2
17-Jan-10	264	0.65	252	20	92.1	156	15	90.4
18-Jan-10	262	0.07	157	20	87.3	116	17	85.3
19-Jan-10	222	0.00	157	15	90.4	141	13	90.8
20-Jan-10	223	0.00	154	13	91.6	152	13	91.4
21-Jan-10	219	0.00	151	13	91.4	216	15	93.1
22-Jan-10	218	0.00	173	11	93.6	190	14	92.6
23-Jan-10	218	0.00	171	17	90.1	167	15	91.0
24-Jan-10	217	0.00	140	18	87.1	132	19	85.6
25-Jan-10	330	1.09	160	21	86.9	126	29	77.0
26-Jan-10	272	0.00	131	13	90.1	110	13	88.2
27-Jan-10	246	0.00	123	16	87.0	129	13	89.9
28-Jan-10	247	0.09	141	17	87.9	150	14	90.7
29-Jan-10	231	0.00	135	19	85.9	150	13	91.3
30-Jan-10	227	0.00	157	19	87.9	183	18	90.2
31-Jan-10	231	0.00	119	19	84.0	103	13	87.4
1-Feb-10	223	0.00	149	17	88.6	143	14	90.2
2-Feb-10	221	0.01	168	15	91.1	150	9	94.0
3-Feb-10	231	0.07	165	15	90.9	168	15	91.1
4-Feb-10	217	0.00	149	20	86.6	144	19	86.8
5-Feb-10	214	0.00	157	22	86.0	195	22	88.7
6-Feb-10	220	0.00	134	11	91.8	152	16	89.5
7-Feb-10	221	0.00	127	19	85.0	103	14	86.4
8-Feb-10	213	0.00	146	16	89.0	135	14	89.6
9-Feb-10	211	0.00	169	16	90.5	205	19	90.7
10-Feb-10	220	0.80	173	14	91.9	178	16	91.0
11-Feb-10	251	0.00	176	26	85.2	146	18	87.7
12-Feb-10	229	0.00	143	12	91.6	128	11	91.4
13-Feb-10	217	0.00	139	17	87.8	155	14	91.0
14-Feb-10	215	0.00	133	18	86.5	94	11	88.3
15-Feb-10	220	0.03	179	18	89.9	179	15	91.6
16-Feb-10	244	0.24	145	17	88.3	133	11	91.7

	Influent/Effluent Flow Daily Avg MGD	Precipitation Daily Total Inches	Influent TSS Daily Avg mg/l	Effluent TSS Daily Avg mg/l	TSS Removal Daily Avg %	Influent CBOD ₅ Daily Avg mg/l	Effluent CBOD ₅ Daily Avg mg/l	CBOD ₅ Removal Daily Avg %
17-Feb-10	221	0.00	152	16	89.5	176	15	91.5
18-Feb-10	228	0.00	155	12	92.3	147	14	90.5
19-Feb-10	234	0.00	188	14	92.6	182	17	90.7
20-Feb-10	230	0.00	140	13	90.7	151	16	89.4
21-Feb-10	224	0.00	123	14	88.6	102	11	89.2
22-Feb-10	219	0.08	177	14	92.1	146	14	90.4
23-Feb-10	359	1.42	162	25	84.6	80	14	82.5
24-Feb-10	374	0.42	131	24	81.7	83	19	77.1
25-Feb-10	359	1.57	117	21	82.1	83	15	81.9
26-Feb-10	346	0.19	104	26	75.0	73	17	76.7
27-Feb-10	339	0.00	82	16	80.5	72	17	76.4
28-Feb-10	327	0.00	93	15	83.9	86	16	81.4
1-Mar-10	347	0.00	74	17	77.0	58	13	77.6
2-Mar-10	324	0.00	95	14	85.3	91	13	85.7
3-Mar-10	340	0.10	114	17	85.1	89	11	87.6
4-Mar-10	313	0.00	138	16	88.4	134	14	89.6
5-Mar-10	294	0.00	121	12	90.1	124	11	91.1
6-Mar-10	285	0.00	112	15	86.6	133	15	88.7
7-Mar-10	271	0.00	157	12	92.4	107	10	90.7
8-Mar-10	269	0.00	153	10	93.5	104	8	92.3
9-Mar-10	264	0.00	161	10	93.8	124	10	91.9
10-Mar-10	246	0.00	131	17	87.0	122	12	90.2
11-Mar-10	250	0.00	157	12	92.4	156	14	91.0
12-Mar-10	278	0.38	165	16	90.3	161	16	90.1
13-Mar-10	487	5.47	131	65	50.4	71	34	52.1
14-Mar-10	506	0.32	156	24	84.6	53	15	71.7
15-Mar-10	423	0.30	68	13	80.9	69	14	79.7
16-Mar-10	393	0.01	126	15	88.1	82	17	79.3
17-Mar-10	374	0.00	85	18	78.8	80	17	78.8
18-Mar-10	338	0.00	100	19	81.0	112	16	85.7
19-Mar-10	313	0.00	127	16	87.4	127	16	87.4
20-Mar-10	299	0.00	100	14	86.0	108	12	88.9
21-Mar-10	287	0.00	97	14	85.6	85	12	85.9
22-Mar-10	326	1.22	166	15	91.0	105	12	88.6
23-Mar-10	371	0.10	106	18	83.0	78	12	84.6
24-Mar-10	310	0.00	121	12	90.1	119	10	91.6
25-Mar-10	294	0.00	115	11	90.4	100	8	92.0
26-Mar-10	302	0.09	124	12	90.3	106	8	92.5
27-Mar-10	288	0.00	121	9	92.6	113	10	91.2
28-Mar-10	279	0.23	98	11	88.8	88	8	90.9
29-Mar-10	448	1.83	103	20	80.6	66	13	80.3
30-Mar-10	478	2.04	90	18	80.0	56	14	75.0
31-Mar-10	406	0.01	88	13	85.2	61	12	80.3
1-Apr-10	370	0.00	111	10	91.0	100	10	90.0
2-Apr-10	348	0.00	101	13	87.1	93	12	87.1
3-Apr-10	327	0.00	109	16	85.3	70	10	85.7
4-Apr-10	309	0.00	89	9	89.9	63	9	85.7
5-Apr-10	306	0.00	152	18	88.2	101	9	91.1
6-Apr-10	296	0.00	142	13	90.8	112	10	91.1
7-Apr-10	289	0.00	147	15	89.8	115	13	88.7
8-Apr-10	281	0.00	139	14	89.9	131	11	91.6
9-Apr-10	310	0.38	174	18	89.7	138	14	89.9
10-Apr-10	267	0.00	121	20	83.5	117	10	91.5
11-Apr-10	261	0.00	109	15	86.2	96	9	90.6
12-Apr-10	256	0.00	140	17	87.9	110	12	89.1
13-Apr-10	249	0.00	158	17	89.2	153	10	93.5
14-Apr-10	249	0.00	145	18	87.6	131	11	91.6
15-Apr-10	242	0.00	159	17	89.3	156	10	93.6
16-Apr-10	258	0.60	177	15	91.5	172	11	93.6

	Influent/Effluent Flow Daily Avg MGD	Precipitation Daily Total Inches	Influent TSS Daily Avg mg/l	Effluent TSS Daily Avg mg/l	TSS Removal Daily Avg %	Influent CBOD ₅ Daily Avg mg/l	Effluent CBOD ₅ Daily Avg mg/l	CBOD ₅ Removal Daily Avg %
17-Apr-10	276	0.05	171	23	86.5	134	14	89.6
18-Apr-10	238	0.00	124	13	89.5	96	8	91.7
19-Apr-10	237	0.00	137	13	90.5	111	9	91.9
20-Apr-10	237	0.00	155	13	91.6	174	11	93.7
21-Apr-10	240	0.11	156	15	90.4	163	11	93.3
22-Apr-10	233	0.02	177	22	87.6	143	17	88.1
23-Apr-10	232	0.00	176	21	88.1	144	8	94.4
24-Apr-10	231	0.00	138	15	89.1	143	12	91.6
25-Apr-10	357	1.93	132	18	86.4	89	11	87.6
26-Apr-10	342	0.85	100	15	85.0	71	8	88.7
27-Apr-10	285	0.00	126	12	90.5	116	7	94.0
28-Apr-10	252	0.00	110	8	92.7	160	6	96.3
29-Apr-10	242	0.00	149	13	91.3	156	8	94.9
30-Apr-10	237	0.00	157	13	91.7	202	9	95.5
1-May-10	237	0.00	124	11	91.1	141	8	94.3
2-May-10	234	0.00	109	10	90.8	90	5	94.4
3-May-10	345	2.03	167	14	91.6	103	8	92.2
4-May-10	253	0.03	128	10	92.2	140	6	95.7
5-May-10	240	0.00	149	12	91.9	168	10	94.0
6-May-10	236	0.00	163	12	92.6	184	10	94.6
7-May-10	234	0.00	147	15	89.8	161	11	93.2
8-May-10	239	0.07	142	13	90.8	154	8	94.8
9-May-10	223	0.00	96	11	88.5	115	8	93.0
10-May-10	225	0.00	146	14	90.4	177	10	94.4
11-May-10	222	0.00	155	10	93.5	178	8	95.5
12-May-10	286	0.47	197	13	93.4	185	10	94.6
13-May-10	226	0.00	136	14	89.7	142	11	92.3
14-May-10	223	0.01	173	17	90.2	198	12	93.9
15-May-10	220	0.00	196	18	90.8	111	7	93.7
16-May-10	216	0.00	119	14	88.2	120	10	91.7
17-May-10	216	0.00	163	16	90.2	172	9	94.8
18-May-10	323	1.43	190	19	90.0	163	12	92.6
19-May-10	256	0.01	163	16	90.2	172	10	94.2
20-May-10	231	0.00	159	17	89.3	215	9	95.8
21-May-10	224	0.00	148	15	89.9	186	9	95.2
22-May-10	222	0.00	158	13	91.8	141	9	93.6
23-May-10	217	0.00	122	10	91.8	148	6	95.9
24-May-10	221	0.00	159	13	91.8	165	8	95.2
25-May-10	218	0.00	161	17	89.4	194	9	95.4
26-May-10	222	0.00	152	20	86.8	201	14	93.0
27-May-10	243	0.25	191	19	90.1	218	12	94.5
28-May-10	225	0.00	223	18	91.9	197	5	97.5
29-May-10	214	0.00	128	13	89.8	136	6	95.6
30-May-10	207	0.00	125	11	91.2	99	4	96.0
31-May-10	209	0.01	129	14	89.1	105	6	94.3
1-Jun-10	219	0.00	184	17	90.8	184	9	95.1
2-Jun-10	215	0.00	165	24	85.5	223	16	92.8
3-Jun-10	216	0.00	185	27	85.4	263	13	95.1
4-Jun-10	213	0.00	165	30	81.8	178	17	90.4
5-Jun-10	211	0.00	188	30	84.0	208	12	94.2
6-Jun-10	210	0.02	125	21	83.2	146	13	91.1
7-Jun-10	206	0.00	157	20	87.3	157	8	94.9
8-Jun-10	204	0.00	157	16	89.8	177	6	96.6
9-Jun-10	251	1.11	211	23	89.1	178	13	92.7
10-Jun-10	255	0.02	165	18	89.1	134	8	94.0
11-Jun-10	213	0.00	140	13	90.7	172	6	96.5
12-Jun-10	209	0.00	149	14	90.6	157	7	95.5
13-Jun-10	229	0.18	162	14	91.4	124	7	94.4
14-Jun-10	210	0.00	142	13	90.8	131	7	94.7

	Influent/Effluent		Influent		Effluent	TSS Removal	Influent	Effluent	CBOD ₅ Removal
	Flow	Precipitation	TSS	TSS	TSS	CBOD ₅	CBOD ₅	CBOD ₅	
	Daily Avg	Daily Total	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg	
	MGD	Inches	mg/l	mg/l	%	mg/l	mg/l	%	
15-Jun-10	206	0.00	162	14	91.4	223	11	95.1	
16-Jun-10	200	0.00	156	19	87.8	209	10	95.2	
17-Jun-10	255	0.73	231	19	91.8	171	9	94.7	
18-Jun-10	206	0.00	171	17	90.1	184	5	97.3	
19-Jun-10	202	0.00	176	17	90.3	175	7	96.0	
20-Jun-10	202	0.00	137	15	89.1	135	7	94.8	
21-Jun-10	201	0.00	154	10	93.5	172	6	96.5	
22-Jun-10	224	0.43	229	13	94.3	145	7	95.2	
23-Jun-10	218	0.00	164	11	93.3	157	5	96.8	
24-Jun-10	209	0.00	159	11	93.1	176	6	96.6	
25-Jun-10	203	0.00	152	11	92.8	209	8	96.2	
26-Jun-10	200	0.00	161	18	88.8	161	8	95.0	
27-Jun-10	197	0.00	135	22	83.7	128	9	93.0	
28-Jun-10	207	0.00	175	28	84.0	167	21	87.4	
29-Jun-10	204	0.00	159	17	89.3	184	10	94.6	
30-Jun-10	197	0.00	161	16	90.1	219	10	95.4	
1-Jul-10	195	0.00	177	15	91.5	223	7	96.9	
2-Jul-10	192	0.00	171	12	93.0	188	7	96.3	
3-Jul-10	188	0.00	183	10	94.5	195	6	96.9	
4-Jul-10	183	0.00	160	8	95.0	118	3	97.5	
5-Jul-10	186	0.00	143	11	92.3	139	7	95.0	
6-Jul-10	194	0.00	177	11	93.8	178	5	97.2	
7-Jul-10	195	0.00	173	14	91.9	157	6	96.2	
8-Jul-10	192	0.00	167	14	91.6	205	7	96.6	
9-Jul-10	197	0.00	171	16	90.6	269	10	96.3	
10-Jul-10	191	0.00	174	16	90.8	219	8	96.3	
11-Jul-10	192	0.17	159	22	86.2	163	10	93.9	
12-Jul-10	190	0.00	197	17	91.4	147	7	95.2	
13-Jul-10	224	1.09	253	21	91.7	217	6	97.2	
14-Jul-10	310	1.69	199	22	88.9	157	8	94.9	
15-Jul-10	233	0.00	155	12	92.3	170	6	96.5	
16-Jul-10	209	0.00	175	15	91.4	153	6	96.1	
17-Jul-10	204	0.00	151	22	85.4	180	9	95.0	
18-Jul-10	198	0.00	137	12	91.2	104	5	95.2	
19-Jul-10	213	0.05	151	10	93.4	151	5	96.7	
20-Jul-10	204	0.00	155	17	89.0	197	7	96.4	
21-Jul-10	204	0.00	173	21	87.9	182	6	96.7	
22-Jul-10	195	0.00	159	23	85.5	201	8	96.0	
23-Jul-10	217	0.25	181	21	88.4	206	9	95.6	
24-Jul-10	212	0.00	153	12	92.2	113	4	96.5	
25-Jul-10	233	0.28	107	11	89.7	85	5	94.1	
26-Jul-10	201	0.00	137	13	90.5	122	4	96.7	
27-Jul-10	202	0.00	168	15	91.1	207	4	98.1	
28-Jul-10	198	0.00	117	11	90.6	169	4	97.6	
29-Jul-10	214	0.13	188	19	89.9	211	6	97.2	
30-Jul-10	195	0.00	180	19	89.4	182	7	96.2	
31-Jul-10	193	0.00	172	19	89.0	161	6	96.3	
1-Aug-10	193	0.04	147	17	88.4	121	5	95.9	
2-Aug-10	194	0.00	141	13	90.8	150	4	97.3	
3-Aug-10	193	0.00	179	14	92.2	180	4	97.8	
4-Aug-10	195	0.01	162	13	92.0	179	5	97.2	
5-Aug-10	200	0.00	166	12	92.8	208	5	97.6	
6-Aug-10	185	0.00	176	14	92.0	194	5	97.4	
7-Aug-10	185	0.00	199	18	91.0	148	5	96.6	
8-Aug-10	183	0.00	140	19	86.4	115	6	94.8	
9-Aug-10	193	0.00	186	16	91.4	168	7	95.8	
10-Aug-10	189	0.00	190	22	88.4	221	9	95.9	
11-Aug-10	187	0.00	149	35	76.5	174	15	91.4	
12-Aug-10	195	0.07	183	23	87.4	207	11	94.7	

	Influent/Effluent		Precipitation	Influent		Effluent		TSS Removal %	Influent		Effluent		CBOD ₅ Removal %
	Flow			Daily Total	Daily Avg	Daily Avg	Daily Avg		Daily Avg	mg/l	Daily Avg	Daily Avg	
	MG/D	Inches	mg/l	mg/l	mg/l	mg/l	%	mg/l	mg/l	mg/l	mg/l	%	
13-Aug-10	190	0.00	177	22	87.6	183	8	95.6					
14-Aug-10	183	0.00	165	18	89.1	198	10	94.9					
15-Aug-10	196	0.17	155	24	84.5	134	12	91.0					
16-Aug-10	246	1.24	203	20	90.1	154	8	94.8					
17-Aug-10	206	0.00	237	16	93.2	141	7	95.0					
18-Aug-10	190	0.00	213	14	93.4	232	6	97.4					
19-Aug-10	187	0.00	181	19	89.5	182	6	96.7					
20-Aug-10	187	0.00	213	18	91.5	208	5	97.6					
21-Aug-10	182	0.00	219	18	91.8	228	7	96.9					
22-Aug-10	256	0.72	176	21	88.1	132	8	93.9					
23-Aug-10	290	0.34	135	17	87.4	105	7	93.3					
24-Aug-10	216	0.02	133	11	91.7	172	6	96.5					
25-Aug-10	304	0.71	110	11	90.0	121	6	95.0					
26-Aug-10	220	0.00	137	12	91.2	151	4	97.4					
27-Aug-10	203	0.00	155	16	89.7	163	7	95.7					
28-Aug-10	197	0.00	154	14	90.9	147	9	93.9					
29-Aug-10	195	0.00	120	16	86.7	108	6	94.4					
30-Aug-10	197	0.00	168	15	91.1	182	4	97.8					
31-Aug-10	196	0.00	139	13	90.6	192	7	96.4					
1-Sep-10	201	0.00	167	22	86.8	194	10	94.8					
2-Sep-10	194	0.00	185	16	91.4	263	7	97.3					
3-Sep-10	194	0.00	166	31	81.3	215	13	94.0					
4-Sep-10	192	0.00	154	23	85.1	186	9	95.2					
5-Sep-10	181	0.00	144	16	88.9	138	8	94.2					
6-Sep-10	183	0.00	137	20	85.4	138	8	94.2					
7-Sep-10	193	0.00	193	17	91.2	196	8	95.9					
8-Sep-10	187	0.00	161	13	91.9	205	5	97.6					
9-Sep-10	187	0.00	160	18	88.8	175	7	96.0					
10-Sep-10	187	0.00	156	20	87.2	204	8	96.1					
11-Sep-10	186	0.00	169	25	85.2	228	12	94.7					
12-Sep-10	208	0.38	172	26	84.9	196	11	94.4					
13-Sep-10	229	0.93	194	32	83.5	148	11	92.6					
14-Sep-10	202	0.00	196	22	88.8	223	8	96.4					
15-Sep-10	194	0.00	145	20	86.2	191	6	96.9					
16-Sep-10	229	0.68	242	20	91.7	235	9	96.2					
17-Sep-10	220	0.07	172	15	91.3	201	7	96.5					
18-Sep-10	197	0.00	175	26	85.1	180	8	95.6					
19-Sep-10	194	0.00	133	18	86.5	123	5	95.9					
20-Sep-10	191	0.00	142	14	90.1	184	4	97.8					
21-Sep-10	191	0.00	196	15	92.3	191	6	96.9					
22-Sep-10	197	0.09	141	14	90.1	198	7	97.0					
23-Sep-10	197	0.00	199	14	93.0	143	6	95.8					
24-Sep-10	189	0.00	158	15	90.5	174	4	97.7					
25-Sep-10	189	0.00	150	8	94.7	131	4	96.9					
26-Sep-10	185	0.00	124	11	91.1	125	4	96.8					
27-Sep-10	269	1.05	194	12	93.8	159	6	96.2					
28-Sep-10	228	0.16	144	11	92.4	165	7	95.8					
29-Sep-10	196	0.00	135	9	93.3	182	7	96.2					
30-Sep-10	290	1.68	145	12	91.7	146	7	95.2					
1-Oct-10	405	2.73	93	16	82.8	69	8	88.4					
2-Oct-10	268	0.00	73	7	90.4	107	7	93.5					
3-Oct-10	232	0.01	84	9	89.3	94	4	95.7					
4-Oct-10	250	0.27	121	10	91.7	132	5	96.2					
5-Oct-10	231	0.01	121	4	96.7	120	5	95.8					
6-Oct-10	227	0.00	142	11	92.3	184	4	97.8					
7-Oct-10	222	0.00	163	14	91.4	190	6	96.8					
8-Oct-10	215	0.00	149	17	88.6	143	5	96.5					
9-Oct-10	213	0.00	146	13	91.1	137	4	97.1					
10-Oct-10	208	0.00	139	14	89.9	117	5	95.7					

	Influent/Effluent Flow		Influent TSS Daily Avg mg/l	Effluent TSS Daily Avg mg/l	TSS Removal Daily Avg %	Influent CBOD ₅ Daily Avg mg/l	Effluent CBOD ₅ Daily Avg mg/l	CBOD ₅ Removal Daily Avg %
	Daily Avg	Daily Total						
	MGD	Inches						
11-Oct-10	237	1.47	142	10	93.0	169	4	97.6
12-Oct-10	269	0.06	169	14	91.7	135	8	94.1
13-Oct-10	214	0.00	137	13	90.5	192	7	96.4
14-Oct-10	247	0.60	141	10	92.9	156	6	96.2
15-Oct-10	275	0.20	115	10	91.3	125	5	96.0
16-Oct-10	215	0.00	126	10	92.1	162	4	97.5
17-Oct-10	211	0.00	104	10	90.4	117	5	95.7
18-Oct-10	208	0.00	131	13	90.1	177	5	97.2
19-Oct-10	211	0.08	147	17	88.4	151	6	96.0
20-Oct-10	206	0.00	187	13	93.0	170	5	97.1
21-Oct-10	203	0.00	140	9	93.6	207	4	98.1
22-Oct-10	200	0.00	152	12	92.1	185	4	97.8
23-Oct-10	198	0.00	145	12	91.7	151	7	95.4
24-Oct-10	199	0.00	127	12	90.6	145	7	95.2
25-Oct-10	198	0.00	152	14	90.8	146	5	96.6
26-Oct-10	198	0.00	149	17	88.6	209	6	97.1
27-Oct-10	229	0.29	185	18	90.3	160	7	95.6
28-Oct-10	200	0.00	155	25	83.9	197	9	95.4
29-Oct-10	195	0.00	143	16	88.8	212	9	95.8
30-Oct-10	193	0.00	223	36	83.9	168	6	96.4
31-Oct-10	190	0.00	111	12	89.2	157	8	94.9
1-Nov-10	189	0.00	131	8	93.9	167	4	97.6
2-Nov-10	192	0.00	141	11	92.2	195	7	96.4
3-Nov-10	190	0.00	213	8	96.2	246	9	96.3
4-Nov-10	286	1.05	219	20	90.9	196	12	93.9
5-Nov-10	230	0.07	153	11	92.8	148	7	95.3
6-Nov-10	202	0.00	133	16	88.0	142	7	95.1
7-Nov-10	198	0.00	104	7	93.3	139	7	95.0
8-Nov-10	197	0.02	145	10	93.1	184	7	96.2
9-Nov-10	195	0.00	160	14	91.3	169	7	95.9
10-Nov-10	193	0.00	137	17	87.6	192	10	94.8
11-Nov-10	197	0.00	160	18	88.8	157	8	94.9
12-Nov-10	195	0.00	172	19	89.0	155	7	95.5
13-Nov-10	195	0.00	147	18	87.8	186	10	94.6
14-Nov-10	193	0.00	130	12	90.8	130	7	94.6
15-Nov-10	190	0.00	142	11	92.3	177	7	96.0
16-Nov-10	215	0.50	182	12	93.4	212	10	95.3
17-Nov-10	268	0.15	217	15	93.1	155	10	93.5
18-Nov-10	201	0.00	155	18	88.4	190	10	94.7
19-Nov-10	199	0.00	146	11	92.5	186	12	93.5
20-Nov-10	198	0.00	142	12	91.5	149	10	93.3
21-Nov-10	197	0.00	124	9	92.7	133	8	94.0
22-Nov-10	197	0.00	155	12	92.3	177	10	94.4
23-Nov-10	199	0.00	155	11	92.9	172	8	95.3
24-Nov-10	201	0.00	145	13	91.0	236	10	95.8
25-Nov-10	206	0.11	180	14	92.2	167	7	95.8
26-Nov-10	215	0.21	148	11	92.6	136	5	96.3
27-Nov-10	196	0.00	115	5	95.7	162	6	96.3
28-Nov-10	195	0.00	122	7	94.3	122	5	95.9
29-Nov-10	195	0.00	137	8	94.2	164	8	95.1
30-Nov-10	204	0.09	169	10	94.1	199	11	94.5
1-Dec-10	325	1.25	192	17	91.1	105	14	86.7
2-Dec-10	229	0.00	161	13	91.9	157	10	93.6
3-Dec-10	213	0.00	145	10	93.1	149	10	93.3
4-Dec-10	208	0.00	108	6	94.4	145	9	93.8
5-Dec-10	206	0.00	101	5	95.0	132	9	93.2
6-Dec-10	202	0.00	129	13	89.9	148	10	93.2
7-Dec-10	203	0.00	147	12	91.8	167	12	92.8
8-Dec-10	200	0.00	151	9	94.0	149	10	93.3

	Influent/Effluent Flow Daily Avg MGD	Precipitation Daily Total Inches	Influent TSS Daily Avg mg/l	Effluent TSS Daily Avg mg/l	TSS Removal Daily Avg %	Influent CBOD ₅ Daily Avg mg/l	Effluent CBOD ₅ Daily Avg mg/l	CBOD ₅ Removal Daily Avg %
9-Dec-10	200	0.00	143	7	95.1	176	9	94.9
10-Dec-10	200	0.00	146	8	94.5	185	12	93.5
11-Dec-10	200	0.00	159	14	91.2	188	12	93.6
12-Dec-10	322	1.61	144	16	88.9	122	15	87.7
13-Dec-10	284	0.15	114	13	88.6	106	12	88.7
14-Dec-10	225	0.00	124	13	89.5	158	12	92.4
15-Dec-10	215	0.00	132	9	93.2	165	11	93.3
16-Dec-10	210	0.00	139	13	90.6	196	12	93.9
17-Dec-10	210	0.00	138	9	93.5	162	12	92.6
18-Dec-10	210	0.00	135	7	94.8	158	10	93.7
19-Dec-10	208	0.00	112	7	93.8	130	10	92.3
20-Dec-10	208	0.00	138	9	93.5	149	11	92.6
21-Dec-10	205	0.00	126	7	94.4	178	11	93.8
22-Dec-10	206	0.00	132	8	93.9	179	10	94.4
23-Dec-10	203	0.00	118	7	94.1	223	12	94.6
24-Dec-10	207	0.00	157	11	93.0	176	10	94.3
25-Dec-10	193	0.00	115	9	92.2	183	13	92.9
26-Dec-10	195	1.23	124	12	90.3	119	8	93.3
27-Dec-10	196	0.41	124	8	93.5	131	8	93.9
28-Dec-10	202	0.00	138	7	94.9	124	9	92.7
29-Dec-10	210	0.00	159	10	93.7	189	12	93.7
30-Dec-10	211	0.00	154	9	94.2	157	11	93.0
31-Dec-10	221	0.00	161	8	95.0	193	13	93.3
1-Jan-11	223	0.00	137	13	90.5	109	8	92.7
2-Jan-11	265	0.02	122	10	91.8	110	11	90.0
3-Jan-11	224	0.00	133	8	94.0	149	12	91.9
4-Jan-11	215	0.00	144	9	93.8	147	11	92.5
5-Jan-11	209	0.00	145	9	93.8	198	13	93.4
6-Jan-11	212	0.00	157	15	90.4	215	18	91.6
7-Jan-11	218	0.18	159	16	89.9	204	13	93.6
8-Jan-11	214	0.00	168	19	88.7	159	14	91.2
9-Jan-11	210	0.00	128	12	90.6	126	12	90.5
10-Jan-11	206	0.00	143	13	90.9	165	13	92.1
11-Jan-11	205	0.00	153	19	87.6	196	17	91.3
12-Jan-11	214	0.11	153	12	92.2	172	13	92.4
13-Jan-11	209	0.00	155	10	93.5	188	15	92.0
14-Jan-11	214	0.00	157	14	91.1	145	10	93.1
15-Jan-11	208	0.00	142	13	90.8	145	12	91.7
16-Jan-11	206	0.00	137	15	89.1	158	11	93.0
17-Jan-11	206	0.00	163	28	82.8	180	12	93.3
18-Jan-11	293	1.13	239	29	87.9	159	24	84.9
19-Jan-11	311	0.10	133	21	84.2	122	22	82.0
20-Jan-11	244	0.00	141	16	88.7	157	16	89.8
21-Jan-11	240	0.24	130	13	90.0	142	17	88.0
22-Jan-11	226	0.00	159	22	86.2	153	17	88.9
23-Jan-11	221	0.00	129	13	89.9	125	15	88.0
24-Jan-11	219	0.00	137	15	89.1	158	14	91.1
25-Jan-11	220	0.01	149	16	89.3	186	17	90.9
26-Jan-11	228	0.36	153	18	88.2	197	20	89.8
27-Jan-11	231	0.20	119	19	84.0	150	19	87.3
28-Jan-11	239	0.00	147	23	84.4	156	17	89.1
29-Jan-11	237	0.00	144	17	88.2	137	17	87.6
30-Jan-11	237	0.00	121	22	81.8	114	14	87.7
31-Jan-11	229	0.00	126	21	83.3	155	16	89.7
1-Feb-11	227	0.00	143	18	87.4	177	15	91.5
2-Feb-11	314	1.19	180	29	83.9	151	19	87.4
3-Feb-11	263	0.00	111	18	83.8	132	20	84.8
4-Feb-11	237	0.00	144	24	83.3	169	21	87.6
5-Feb-11	269	0.30	115	19	83.5	165	21	87.3

	Influent/Effluent Flow	Precipitation	Influent TSS	Effluent TSS	TSS Removal	Influent CBOD ₅	Effluent CBOD ₅	CBOD ₅ Removal
	Daily Avg	Daily Total	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg	Daily Avg
	MGD	Inches	mg/l	mg/l	%	mg/l	mg/l	%
6-Feb-11	311	0.00	97	24	75.3	100	23	77.0
7-Feb-11	293	0.10	105	25	76.2	112	22	80.4
8-Feb-11	333	0.10	137	34	75.2	106	27	74.5
9-Feb-11	266	0.00	117	29	75.2	129	22	82.9
10-Feb-11	255	0.00	128	28	78.1	160	23	85.6
11-Feb-11	247	0.00	118	22	81.4	135	21	84.4
12-Feb-11	244	0.00	131	27	79.4	108	18	83.3
13-Feb-11	242	0.00	122	26	78.7	136	26	80.9
14-Feb-11	285	0.00	152	27	82.2	160	24	85.0
15-Feb-11	259	0.00	135	28	79.3	147	25	83.0
16-Feb-11	248	0.00	127	22	82.7	173	22	87.3
17-Feb-11	258	0.00	137	29	78.8	164	24	85.4
18-Feb-11	286	0.00	129	31	76.0	126	23	81.7
19-Feb-11	268	0.00	129	26	79.8	98	22	77.6
20-Feb-11	248	0.00	116	24	79.3	127	18	85.8
21-Feb-11	268	0.30	135	20	85.2	126	18	85.7
22-Feb-11	253	0.00	129	18	86.0	148	17	88.5
23-Feb-11	247	0.00	135	21	84.4	156	18	88.5
24-Feb-11	242	0.05	144	23	84.0	173	21	87.9
25-Feb-11	392	1.72	239	43	82.0	97	22	77.3
26-Feb-11	304	0.00	116	23	80.2	110	17	84.5
27-Feb-11	286	0.00	90	19	78.9	97	14	85.6
28-Feb-11	332	0.63	127	20	84.3	95	17	82.1
1-Mar-11	283	0.00	123	15	87.8	131	15	88.5
2-Mar-11	273	0.00	125	19	84.8	149	15	89.9
3-Mar-11	259	0.00	122	17	86.1	149	13	91.3
4-Mar-11	256	0.00	135	14	89.6	147	17	88.4
5-Mar-11	253	0.01	102	22	78.4	136	16	88.2
6-Mar-11	339	- 2.41	144	74	48.6	92	35	62.0
7-Mar-11	416	0.17	196	129	34.2	104	61	41.3
8-Mar-11	334	0.00	100	11	89.0	78	19	75.6
9-Mar-11	318	0.00	95	13	86.3	98	15	84.7
10-Mar-11	360	- 1.46	120	19	84.2	123	20	83.7
11-Mar-11	481	1.03	80	30	62.5	50	17	66.0
12-Mar-11	385	0.00	71	11	84.5	68	11	83.8
13-Mar-11	362	0.00	75	21	72.0	67	13	80.6
14-Mar-11	335	0.00	95	19	80.0	79	11	86.1
15-Mar-11	321	0.00	107	11	89.7	118	14	88.1
16-Mar-11	353	0.71	117	17	85.5	94	13	86.2
17-Mar-11	306	0.00	110	16	85.5	119	12	89.9
18-Mar-11	295	0.00	156	29	81.4	120	11	90.8
19-Mar-11	283	0.00	102	15	85.3	111	14	87.4
20-Mar-11	273	0.00	101	15	85.1	111	15	86.5
21-Mar-11	322	0.48	137	15	89.1	125	16	87.2
22-Mar-11	281	0.00	117	21	82.1	165	16	90.3
23-Mar-11	371	- 1.22	110	67	39.1	88	25	71.6
24-Mar-11	372	0.08	100	28	72.0	106	18	83.0
25-Mar-11	308	0.00	108	12	88.9	131	12	90.8
26-Mar-11	290	0.00	112	26	76.8	103	10	90.3
27-Mar-11	280	0.00	99	17	82.8	113	14	87.6
28-Mar-11	276	0.00	119	19	84.0	123	16	87.0
29-Mar-11	265	0.00	133	14	89.5	135	12	91.1
30-Mar-11	262	0.00	139	14	89.9	176	12	93.2
31-Mar-11	262	0.07	137	16	88.3	158	12	92.4
1-Apr-11	307	0.27	164	14	91.5	134	11	91.8
2-Apr-11	267	0.00	114	17	85.1	119	11	90.8
3-Apr-11	257	0.00	113	17	85.0	112	12	89.3
4-Apr-11	263	0.06	136	18	86.8	152	14	90.8
5-Apr-11	282	0.14	149	19	87.2	193	18	90.7

	Influent/Effluent		Influent	Effluent	TSS Removal Daily Avg	Influent	Effluent	CBOD ₅ Removal Daily Avg
	Flow	Precipitation	TSS	TSS		CBOD ₅	CBOD ₅	
	Daily Avg	Daily Total	Daily Avg	Daily Avg		Daily Avg	Daily Avg	
	MGD	Inches	mg/l	mg/l	%	mg/l	mg/l	%
6-Apr-11	256	0.07	132	19	85.6	138	14	89.9
7-Apr-11	259	0.02	149	23	84.6	150	10	93.3
8-Apr-11	245	0.04	148	18	87.8	149	10	93.3
9-Apr-11	241	0.00	137	22	83.9	149	13	91.3
10-Apr-11	237	0.00	125	21	83.2	146	13	91.1
11-Apr-11	239	0.04	183	20	89.1	175	9	94.9
12-Apr-11	303	0.67	252	23	90.9	154	11	92.9
13-Apr-11	348	0.64	137	25	81.8	103	14	86.4
14-Apr-11	265	0.00	153	18	88.2	131	11	91.6
15-Apr-11	255	0.00	144	20	86.1	148	15	89.9
16-Apr-11	318	2.28	146	27	81.5	158	17	89.2
17-Apr-11	454	0.97	98	21	78.6	61	14	77.0
18-Apr-11	352	0.00	108	21	80.6	91	13	85.7
19-Apr-11	330	0.03	112	20	82.1	100	11	89.0
20-Apr-11	312	0.00	122	19	84.4	122	14	88.5
21-Apr-11	298	0.00	187	15	92.0	137	10	92.7
22-Apr-11	280	0.00	146	17	88.4	124	13	89.5
23-Apr-11	368	1.10	135	18	86.7	72	11	84.7
24-Apr-11	329	0.67	135	19	85.9	73	10	86.3
25-Apr-11	322	0.00	115	22	80.9	95	11	88.4
26-Apr-11	292	0.00	122	17	86.1	113	10	91.2
27-Apr-11	287	0.01	147	15	89.8	110	11	90.0
28-Apr-11	318	0.36	173	16	90.8	150	12	92.0
29-Apr-11	278	0.00	139	13	90.6	95	11	88.4
30-Apr-11	273	0.00	111	16	85.6	123	12	90.2

Appendix B

OWNER/OPERATOR (Total Number of CSO Points)	NUMBER OF CSO POINTS	RECEIVING WATERBODY
Bayonne MUA (29)	8	Kill Van Kull
	3	Upper New York Bay
	18	Newark Bay
East Newark Borough (1)	1	Passaic River
Hackensack, City of (2)	2	Hackensack River
Harrison, Town of (7)	7	Passaic River
Jersey City MUA (22)	2	Newark Bay
	1	Penhorn Creek
	9	Hackensack River
	10	Hudson River
Kearny, Town of (5)	3	Passaic River
	2	Frank's Creek
Newark Department of Water and Sewer Utilities (17)	13	Passaic River
	4	Peripheral Ditch
North Bergen Township MUA (9)	5	Cromakill Creek
	1	Bellman's Creek
	1	Paunpeck Creek
	2	Penhorn Creek
Paterson, City of (26)	26	Passaic River
TOTAL NUMBER OF CSO POINTS	118	